

From: [MCCLINCY Matt](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#)
Cc: [PETERSON Jenn L](#)
Subject: RE: Perchlorate Aquatic values
Date: 09/12/2006 03:20 PM

Eric,

I talked with Jennifer this morning about perchlorate screening levels. She recalled the discussion with the Arkema team about using the SCAT value, but neither she nor I am familiar with its details. She did note that the LWG is supposed to develop screening levels for amphibians for which the DEQ 200 ppb value would not be protective.

Matt

-----Original Message-----

From: MCCLINCY Matt
Sent: Monday, September 11, 2006 4:48 PM
To: 'Blischke.Eric@epamail.epa.gov'
Subject: FW: Perchlorate Aquatic values

Eric,

Attached is the basis for the perchlorate # that Paul came up with in 2004. It looks like he was aware of the Goleman 2002 work.

Matt

-----Original Message-----

From: SEIDEL Paul
Sent: Tuesday, July 13, 2004 11:03 AM
To: MCCLINCY Matt
Subject: Perchlorate Aquatic values

Matt-

Here is the calculation of a secondary chronic value SCV, I made for perchlorate using the method of Suter and Tsao 1996. This method is used when insufficient toxicity tests have been done to derive an AWQC using the method of Stephan 1986, an EPA standard. The derived value is 200 ppb.

It has the disadvantage of relying on *Xenopus* amphibian tests, and *Xenopus* is not native to North America. Secondly, further tests have since been published a value calculated by deriving an AWQC in the range of 1 ppm. So this 0.2 ppm value is probably overly-conservative based on the latest available information.

Best,

Paul

<< File: TierIIaquaticValues.xls >>